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MULTIPLE CLIENT REMOTE AGENT NETWORK METHOD

CLAIM OF PRIORITY

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This application is a continuation in part of U.S. patent application Ser. No. 09/237,517, filed on January 25, 1999, the contents of which are incorporated herein by reference.

FIELD OF INVENTION

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The present invention relates generally to the field of call centers for use in customer sales, customer support, marketing and customer service in a broad range of industries. Specifically, the present invention relates to a system enabling remotely located agents to work as members of a virtual automatic call distributor ("ACD") team, and more particularly, for remote agents at disparate geographic locations to be available to service one or more different call centers and to respond to calls or other forms of contact made by customers of the call centers.

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FOOTNOTES

BACKGROUND OF THE INVENTION

Call centers handle an increasing volume of telephonic inquiries for sales, information, customer support and other services. Typical call centers provide the ability to route a plurality of incoming, customer-initiated calls to agents which provide sales, information, or support on behalf of an entity (hereinafter referred to as the "client") interested in establishing or maintaining a relationship with the customer. With the advent of electronic telecommunications, incoming "calls" are no longer necessarily telephonic communications but can also encompass the broad range of new communication channels such as e-mail, interactive chat, instant messaging, video conferencing, voice messaging, and the like. Throughout this text, the generic term "calls" is used to designate the entire range of communication formats which a modern call center is capable of handling. Similarly, throughout this text, the term "contact center" is used to designate a generic call center which may be equipped to handle not only telephonic communications but also the other modes of communication discussed above. An ACD is utilized to selectively route the incoming calls. An ACD generally refers to a device that receives incoming voice calls, answers with a taped announcement, holds the calls with background music or a message, then automatically assigns the call on a first come first serve basis to the next available agent. In the present context, the required call routing system must be able to process, in addition to voice calls, the electronic types of communications described above. For purposes of this document the term Intelligent Queuing and Routing Engine ("IQRE") shall be used to describe such a call routing system. The IQRE will normally consist of an enterprise management

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system which, among its other components, incorporates an ACD to manage voice communications.

Modern IRQE systems selectively route incoming calls based on a number of factors such as the number called or dialed, the originating number, the queued sequence of the caller, the geographic location of the caller, accumulated caller history, and other relevant criteria. Once the IRQE has evaluated the inbound caller's information, if any, the IRQE searches for an available agent to service the call. Availability of agents may be dependent on any number of factors such as the skill level or schedule of the agent. The number of agents within the contact center and available to the IRQE is often limited by the physical space available for the agents to operate. A frequent problem experienced by contact centers is that there are often too few agents to handle the number of incoming customer calls. In those situations, the customer is frequently put on hold and made to wait until an agent becomes available. Many potential customers, when faced with an extended wait, simply terminate the call before the contact center has the opportunity to conduct a business transaction, thereby causing an economic loss. Additionally, customers calling for support or information may become disgruntled or unsatisfied with a business that is unable to provide a sufficient number of agents to service the call in a timely manner.

For most applications, an agent requires a direct communication link with both the customer who initiates the call and a central repository where data about the call and/or customer can be inputted and accessed. The agent communicates with the customer through either a telephone line or other method such as e-mail or Internet chat, and records whatever transactions take place through a computer terminal or a personal computer

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Many problems experienced in conventional contact centers result from the use of fixed facilities that are both physically and geographically confined. Large call centers may select a geographically attractive location only to find a limited workforce in that area. Large contact centers typically pay for the training of their agents and simultaneously experience a high turnover rate. Furthermore, should the volume of calls exceed the capacity of the contact center, the traditional way to address the problem is either through outsourcing of services, through physical expansion of the facilities which is costly and time consuming, and/or by simply not answering, or "abandoning", the excess portion of the call volume.

In response, recent developments in the fields of telecommunications and information technology have been used to enable
25 remotely situated contact center agents (sometimes called "home agents"
and referred henceforth herein as "remote agents") to increase the number
of call-takers available to handle contact center volume without

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controls the ACD host switch to optimize call distribution, particularly when caller traffic justifies maintaining an open voice path to the remote agent to reduce call setup time.

United States Patent No. 5,291,551 to *Conn et al.* (the '551 patent)
5 describes a home agent telecommunication system comprising one or more
home agents having a voice terminal and a computer terminal to access a
transaction processing center. The transaction processing center may
comprise a catalog order facility, a travel reservation entity, a stock
brokerage, or the like. A customer call is received by a local exchange
10 carrier ("LEC") which is routed to a PSTN and received by a second
exchange which serves the geographic area encompassed by the
transaction processing center. The transaction processing center designates
the home agent assigned to receive the call which is routed across a
combined voice and data line. The perceived benefit of this system is that
15 the home agent is not continuously connected to the transaction processing
center on a line that may remain idle much of the time.

United States Patent No. 5,073,890 to *Danielsen* (the '890 patent) describes a remote agent operation for automatic call distributors utilizing ISDN comprising a remote agent position, a customer telephone, and a remote database, whereby a session initiates when the remote agent position is located near a local switch which connects to an ACD host switch via a telecommunications network. A front-end process to direct calls from the customer telephone to an available remote agent position. The local switch converts message data from a SS7 network format to an ISDN standard used by the remote agent position. The perceived benefit of this system is the economical placement of remote agents using ISDN to

nearby local telecommunication switching systems instead of requiring them to be close to the ACD host switch.

However, none of the systems in the prior art describe a remote agent system capable of servicing multimedia contacts in one or more different contact centers. A typical contact center may only require the use of remote agents during certain periods of high inbound call traffic. Therefore, it is costly and inefficient to pay for a dedicated remote agent that is not being utilized during periods of low caller traffic. Conversely, should an unexpected surge in caller traffic occur, current systems lack the ability to immediately access a base of highly qualified, motivated remote agents. In circumstances such as these, which are commonplace in the field of the subject invention, it is of great benefit to have a pool of remote agents which can be assigned to more than one contact center and be efficiently utilized when and where they are most needed.

Moreover, past attempts to implement remote agent systems have only achieved limited success because they effectively only relocate agents from a fixed facility to a remote facility which does nothing to improve the efficiency of utilization of agents. The mere act of relocating an agent does not erase the fact that the agent remains a dedicated employee who must be compensated regardless of whether there is a sufficient call volume to keep him or her occupied during an entire shift. It would be very attractive for a contact center to be able to utilize non-dedicated remote agents, that is, agents who not only work from a remote location but also are not dependent on a single contact center for all of their work. Such a system would allow a contact center to schedule an agent for very brief periods of time (30 minutes, for example) and for non-contiguous blocks of time, possibilities which would not be feasible with a dedicated

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of a single contact center and its ability to provide work to the agent. If more than one contact center is available for assignment, a remote agent will be able to choose from a wider range of work schedules and expected call volumes thus permitting a better fit to the particular lifestyle
5 circumstances of the agent.

Consequently, there is a need in the art for a remote agent system whereby the remote agents are capable of servicing calls for a singular contact center as well as a plurality of different contact centers.

There is a further need in the art for a remote agent system that
10 permits flexibility in scheduling a single remote agent to multiple contact centers so as to allow for maximum efficiency in utilizing the working hours available to the agent.

There is a further need in the art for a remote agent system that permits the remote agent to select assignment from among a choice of
15 work schedules and call volume levels pertaining to one or more contact centers.

There is a further need in the art for a remote agent system that incorporates the ability for remote agents to become personally vested in the success and efficiency of the system by making a personal investment
20 in the procurement of physical equipment needed to establish the remote location, in the acquisition of skills through specialized training, and in the payment of recurring expenses associated with providing contact center services.

There is a further need in the art for a remote agent system that
25 permits maximum flexibility in the scheduling of agents so that a contact center can schedule the number of agents it expects to need during the times they are needed.

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There is a further need in the art for a remote agent system which provides a highly dynamic system for handling emergency crisis cases with previously trained and authorized remote agents that can be summoned in the event their services are needed, even on an infrequent basis.

Finally, there is also a need in the art for a contact center system which permits performance evaluation and management of the remote agent in real-time.

10 SUMMARY OF THE INVENTION

The present invention solves significant problems in the art by providing a method of providing Intelligent Queuing and Routing Engine ("IRQE") services to one or more remotely located agents trained to service calls for one or more of client contact centers, comprising the steps of receiving a customer-initiated call (which can consist of a voice communication, e-mail, internet chat, or other type of communication) at a contact center, routing the customer-initiated call through the contact center's IRQE via an electronic telecommunications network to a voice or data network switch, the voice or data switch transmitting an array of caller information relating to the customer-initiated call to a network coordinator servicing a one or more different contact centers, the network coordinator identifying at least one remotely located agent trained and authorized to receive the customer-initiated call for the contact center, and the network coordinator routing the customer-initiated call from the customer to the designated remote agent.

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The array of caller information resolved from the voice or data network switch may include the caller's telephone number, whether they are calling from a business or residential line, past caller history and/or caller demographics.

5 The network coordinator is able to track the number of calls handled by a remotely located agent for the contact center and can provide payroll services for the contact center on behalf of the remotely located agent. Alternatively, the remote agent may be engaged and compensated directly by the network coordinator who in turn has an agreement in place with the
10 contact center for compensation for its services. The network coordinator may also maintain statistical records of each customer-initiated call and provide them to the contact center.

As an alternative to processing the calls through the contact center's IRQE, incoming customer-initiated calls may be routed directly to the
15 voice or data network switch, bypassing the contact center entirely until a transaction is logged by the remotely located agent. In order to facilitate communication between the network coordinator, the contact center and the remote agent without interfering with the handling of the customer-initiated call, electronic mail, electronic chat or instant messaging may be
20 utilized.

By accessing the features of the voice and/or data network switch, the network coordinator may monitor the communication taking place in the customer-initiated call and provide the contact center with access to the communication. Using the same technology, the remotely located agent
25 handling a customer-initiated call may request assistance from the contact center wherein a supervisor at the call center may tap into the voice and/or data network switch to assist in servicing the customer-initiated call.

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Accordingly, it is an object of the present invention to provide a network coordinator system that pools a plurality of remote agents that are specially trained to accept and process calls for one or more different contact center clients. The network coordinator may provide quality
5 control, voice and data connections, flexible scheduling, recruiting and a training infrastructure to enable the system.

It is another object of the present invention to provide a highly dynamic system for handling emergency crisis cases with previously trained and authorized remote agents that can be summoned in the event
10 their services are needed, even on an infrequent basis. For example, federal regulations in the United States require airlines to provide contact center services in the event of an aviation emergency. However, it would be impractical to maintain a large full-time contact center that is only utilized a few times every year. Using the system in the present invention,
15 hundreds of remote agents could be trained to handle inquiry calls from concerned family members in the event an emergency occurs and those remote agents could be contacted and put online in minutes.

It is another object of the present invention to provide a viable vocation to a highly qualified workforce that for various reasons must or
20 prefers to work from home. For many individuals with disabilities, infirmities or other limitations on their physical capacity, it may be impossible to travel to a traditional workplace. By providing them with the opportunity to work from home or some other convenient remote location, this undervalued workforce may be utilized to the mutual benefit of both
25 the contact center and remote agent.

It is another object of the present invention to enable the gainful employment of individuals who, because of lifestyle or health reasons, are

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unable to abide by a traditional work schedule. The present invention would permit individuals to work during off-hours, to work in blocks of time that are non continuous, and to have a schedule which varies from week to week.

5 It is another object of the present invention to provide a remote agent system that incorporates the ability for remote agents to become personally vested in the success and efficiency of the system by making a personal investment in the procurement of physical equipment needed to establish the remote location, in the acquisition of skills through
10 specialized training, and in the payment of recurring expenses associated with providing contact center services.

An advantage of the invention is that, through a network coordinator, contact centers clients have access to a large pool of highly trained, motivated individuals that are generally compensated based upon
15 performance, such as, without limitation, the number of calls handled in a predetermined time frame. The contact center clients minimize the capital outlay necessary to service highly fluctuating customer initiated inbound calls.

20 **BRIEF DESCRIPTION OF THE DRAWINGS**

FIG. 1 is a flow diagram of the operation of the present invention illustrating the general telecommunication pathways for voice communications.

25 **FIG. 2** is a flow diagram of the operation of the present invention illustrating the general telecommunication pathways for non-voice communications.

FIG. 3 is a flow diagram of the operation of the present invention illustrating the multi-client servicing design of the network.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

5 In a preferred embodiment of the invention, remote agents have the opportunity to select from one or more client training courses which are paid for, partly or entirely, by the remote agent. For example, a remote agent may select training to handle sales for a catalog ordering company and an airline reservation company. Moreover, the remote agent is required to pay for adequately equipping his or her home and/or office to handle the particular type of operation needed by the client, for training, and for recurring operating expenses such as telephone and ISP charges. 10 Because the remote agent has a personal investment in the equipment, training, and recurring expenses, the remote agent has a vested interest in his or her success which greatly reduces the turnover rate. 15

Once training is completed and the remote agent is authorized to handle calls for one or more clients, the remote agent is provided with the appropriate communications connections to service each client. The equipment can comprise both a voice and data connection. The voice and data path may be combined using well known configurations such as integrated services digital network ("ISDN") or a digital subscriber line ("DSL") (including the several available service variants such as ADSL, SDSL, HDSL and the like) whereby data and voice are distinguished as packets of information split into a plurality of channels. In a preferred embodiment, "voice over internet protocol" or "VoIP" is utilized to connect the voice path from the voice switch to the remote agent. Plain old 20 25

telephone service ("POTS") or other technologies such as an off premises extension ("OPX") may also provide a data and voice connection to handle transactions.

At the core of the system is a network coordinator. The network coordinator is able to directly communicate with both the remote agent and the call center client. The network coordinator maintains a database on each of the remote agents which describes what call center clients the remote agent is trained and authorized to work for. The network coordinator also maintains a live database of service schedules posted by, or on behalf of, the contact center client, which are "advertised" to those remote agents who are trained and authorized to serve that client. The network coordinator can be integrally tied to every transaction as the remote agents are generally paid in proportionate relation to the volume of calls handled, be it on a per-call basis, an hourly basis or on a fixed price basis. In a preferred embodiment, the network coordinator tracks each call transaction between the remote agent, the customer and the call center client. The network coordinator then assembles real-time statistics on every aspect of the transaction. Because the network coordinator is directly tied to the voice and/or data network switch, it can provide seamless supervisory assistance and silent monitoring abilities for each client call center. The network coordinator can also manage remote agents to ensure that they meet the agreed upon service requirements of the contact center. The service requirements can specify parameters such as, for example, the maximum number of rings before a call is answered, the maximum hold time, the maximum length of a conversation, and the like. In a preferred embodiment, the remote agents, network coordinator and call center client all have real-time e-mail and/or electronic chat capability for instantaneously communicating with each other.

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The remote agent's computer generally runs two applications simultaneously. The first application is tied to a network coordinator that oversees the entire remote agent process for one or more clients. The first application provides call connection status, remote agent availability and
5 other real-time information to the network coordinator. This permits the network coordinator to determine which remote agents are actively handling calls and which agents are idle. If one or more remote agents scheduled to handle calls for a particular client are idle for an extended period of time, the network coordinator may give the remote agents the
10 opportunity to handle calls for a client for which they are trained that needs additional assistance. The second application is a direct connection to a transactional computer for call processing. For example, a remote agent handling sales for a catalog would enter in the customer's selection of merchandise, shipping address and credit card information. This may be
15 accomplished using whatever protocol and terminal emulation is necessary for ordering processing. For example, for a mainframe system, the remote agent may utilize a 3270 terminal emulation through a TCP/IP-based telnet application. However, the terminal connection may be web-based (HTML), ANSI, VT-100 or other configuration depending on the network
20 type being utilized.

In a preferred embodiment of the invention, both the call centers and the remote agents are customers of the network coordinator. Call centers pay a usage fee to access the remote agents trained for its facility. Remote agents pay a monthly service fee. The remote agents are utilized both on a
25 scheduled and overflow emergency basis.

Referring initially to **FIG. 1** of the drawings, in which like numerals indicate like elements throughout the several views, in a first preferred

embodiment a customer-initiated voice call **10** may travel by local lines **20**, **60** through a public switched telephone network ("PSTN") or through the Internet **200** to a contact center client **210**. The contact center client **210** typically has an existing IRQE and/or public branch exchange ("PBX") system **40** that has the ability to receive and transfer calls to remote locations. A PBX is a telephone system within an enterprise that switches calls between enterprise users on local lines while allowing all users to share a certain number of external phone lines. Most PBX switches also have the ability to be networked together via leased lines. This allows remote offices to be "tied" together reducing call traffic and producing substantial long distance rate savings.

Calls from the contact center PBX/IRQE **40** may be forwarded to the remote agent coordination center **220** by a second connection **50**. The second connection **50** may comprise a high-bandwidth connection such as a 1.544 Mbps DS-1, 44.4736 Mbps DS-3, 800 service, or comparable connection. The second connection **50** in turn connects the call to a voice switch **70**. Alternatively, the customer-initiated call **10** may bypass the contact center client **210** and PBX/IRQE **40** altogether and connect directly **30** to the voice switch **70**.

The voice switch **70** is connected to a network coordinator **100** through a direct connection **110**. The network coordinator **100** maintains a live database of service schedules posted by the contact center client which are "advertised" to remote agents who are trained and authorized to serve that client. Alternatively, the service schedules may be posted by the network coordinator **100** based on instructions from the contact center client. The service schedules comprise blocks of time during which the client would like remote agents to service calls from its contact center. All

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the available remote agents **90** trained and authorized to service calls for the particular contact center client **210** may review the service schedule and select or accept those blocks of time during which they would like to service the particular client's contact center. The network coordinator as well as the client are able to monitor which advertised time slots have been accepted by the remote agents and which remain unfilled in order to make appropriate staffing decisions.

The network coordinator **100** has the ability to be integrally tied to every transaction if it is so desired by the contact center client. This ability allows the network coordinator to gather necessary call statistics which may be needed since the remote agents **90** are generally paid in proportion to the volume of calls handled, be it on a per-call basis, an hourly basis or on a fixed price basis or through some other performance based methodology.

The direct connection **110** between the network coordinator **100** and the voice switch **70** enables the network coordinator to provide seamless supervisory monitoring of the calls without any intrusiveness. Furthermore, the network coordinator **100** may provide this "silent monitoring" to the contact center client **210** through data connection **50** to enable the client to evaluate the audio transactions that take place between the remote agent **90** and the customer **10**. The direct connection **110** from the network coordinator **100** to the voice switch **70** enables either the network coordinator **100** or the contact center client **210** to provide supervisory assistance to the remote agent **90** as needed. The network coordinator **100** may also provide real-time call statistics to the contact center client **210** to evaluate the performance of the remote agent **90**. In a preferred embodiment of the invention, the remote agent **90**, the network

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The remote agent 90 is equipped with voice communication means, such as a telephone 94 and data communication means provided by a networked workstation or personal computer 92. The voice communications means 94 and data communication means 92 are themselves networked to allow for seamless processing of voice and data. The telecommunication connections to and from the remote agent 90 are well known within the industry. In a preferred embodiment, "voice over internet protocol" or "VoIP" is utilized to connect the voice path 80 from the voice switch 70 to the remote agent 90. Alternatively, voice communications 80 between the voice switch 70 and the remote agent 90 may be established by an off premises extension ("OPX"). An OPX generally refers to any telephone extension not located on the same premise as the telephone system of which it is a part.

In the preferred embodiment, a data connection between the remote agent **90** and a data switch **140** at the client contact center **210** travels through a data switch **170** at the coordination center **220** via data lines **160** and **162**. The data switch **170** at the coordination center **220** acts as a concentration point for all remote agents which service the subject contact center. Alternatively, the remote agent **90** may have a direct data connection **164** to the data switch **140** at the client contact center **210**. The data received by the data switch **140** at the client contact center **210** is extended through a data path **130** to the PBX/IRQE **40** for caller transaction information. In a preferred embodiment, the data paths **164** and **160** which originate from the remote agent may utilize POTS, DSL or

initiated electronic communications via electronic chat, e-mail, video-conferencing, and the like) **310** may travel by local data lines **320** through the Internet **330** to a contact center client **210**. The contact center client **210** is equipped with a data switch **340** that has the ability to receive and
5 link the electronic calls to remote locations.

Electronic calls from the contact center data switch **340** may be forwarded to the coordination center **220** by a data connection **390**. In an alternate embodiment, the customer-initiated electronic call **310** may bypass the contact center client **210** altogether and connect directly **400** to
10 the remote agent coordination center **220**. In either scenario, the electronic call is received by a data switch **350** at the coordination center **220** which then queries the network coordinator **380** through a data connection **420**. The network coordinator **380** in turn forwards the electronic call to a suitable remote agent **90**. The data connections **390** and
15 **400** may comprise a high-bandwidth data connection such as a frame relay, NxT1, VPN or comparable connection. The data connection **420** between the network coordinator **380** and the data switch **350** at the coordination center **220** is preferably a high-speed LAN connection.

The network coordinator **380** maintains a live database of service
20 schedules posted by the contact center client which are "advertised" to remote agents who are trained and authorized to serve that client. Alternatively, the service schedules may be posted by the network coordinator **380** based on instructions from the contact center client. The service schedules comprise blocks of time during which the client would
25 like remote agents to service electronic calls from its contact center. All the available remote agents **90** trained and authorized to service electronic calls for the particular contact center client **210** may review the service

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schedule and select or accept those blocks of time during which they would like to service the particular client's contact center. The network coordinator as well as the client are able to monitor which advertised time slots have been accepted by remote clients and which remain unfilled in
5 order to make appropriate staffing decisions.

The network coordinator 380 has the ability to be integrally tied to every transaction if it is so desired by the contact center client. This ability allows the network coordinator to gather necessary call statistics which may be needed since the remote agents 90 are generally paid in proportion
10 to the volume of electronic calls handled, be it on a per-call basis, an hourly basis or on a fixed price basis or through some other performance based methodology.

The remote agent 90 is equipped with data communication means provided by a networked workstation or personal computer 430. The
15 telecommunication connections to and from the remote agent 90 are well known within the industry. In this preferred embodiment the remote agent 90 is has a direct data connection 410, preferably a high-bandwidth data connection such as a DSL, ISDN, Cable Modem, or comparable connection, to the data switch 350 at the coordination center 220.
20 Alternatively, the direct data connection 410 may utilize POTS depending on the bandwidth requirements and available equipment. The direct connection 410 between the data switch 350 and the remote agent 90 enables the network coordinator to link the remote agent 90 to the customer and provides data access for seamless supervisory monitoring of
25 the electronic calls. In an alternate embodiment, the remote agent may also be connected directly to the data switch 340 at the contact center client's location through a direct data connection 440 similar to that which

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connects it to the network coordinator. This would allow the contact center client **210** to monitor the electronic call in the same fashion the network coordinator **380** can. The direct data connections **410, 440** also enable either the network coordinator **380** or the contact center client **210** to provide assistance to the remote agent **90** as needed. The network coordinator **380** may also provide real-time call statistics to the contact center client **210** to evaluate the performance of the remote agent **90**. In a preferred embodiment of the invention, the remote agent **90**, the network coordinator **380** and the contact center client **210** have real-time email or electronic chat capability so that information may be distributed without interrupting any ongoing connections.

In a preferred embodiment the network coordinator **380** provides payroll support for the contact center client or clients serviced by the remote agent **90**. Alternatively, if the remote agent **90** is engaged directly by the network coordinator through an agreement with the client contact center, no payroll services are provided by the network coordinator. The network coordinator **380** inherently monitors the call status, duration, availability and other information relating to the remote agent **90**. This information may be compiled for accounting on a per-call basis, hourly basis, sales basis or whichever method of compensation is agreed upon. The accounting information may be directly delivered from the network coordinator **380** to the contact center client **210** through the data connection **390**.

FIG. 3 is illustrative of the general operation of the system whereby multiple contact center clients **210a-c** are serviced by multiple remote agents **90a-e**. As an example, remote agent **90b** is trained and authorized to service calls from both call center client **210a** and call center client

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210b. Remote agent 90b is scheduled to work from 4:00 p.m. to 6:00 p.m. for call center client 210a. The schedule of remote agent 90b is registered with the network coordinator 100 whereby only authorized and scheduled remote agents may log on to the system to accept calls. The number of
5 remote agents assigned to handle calls is predetermined by the call center client based on anticipated needs. However, suppose that in the example, remote agent 90b finds that call center client 210a overestimated its need for remote agents and remote agent 90b is idle. The network coordinator 100 may determine that call center client 210b requires additional
10 assistance than previously forecasted. The network coordinator 100 then confirms that remote agent 90b has been trained and authorized to handle calls for call center client 210b and that the remote agent is idle. The network coordinator 100 then sends email to remote agent 90b offering a switch to accept customer-initiated calls for call center client 210b. The
15 remote agent 90b may then switch over and begin accepting calls for call center client 210b.

From the remote agent's point of view, working for multiple contact centers has many advantages. Initially, the income base of the remote agent is not necessarily affected if one contact center is not able to
20 efficiently utilize him or her since other contact centers will likely be available to provide work. Secondly, by working for multiple contact centers, a remote agent is not locked into the schedule of a single contact center. Because multiple contact centers are available for assignment, an agent will normally be able to choose from a wider range of work
25 schedules and expected call volumes thus permitting a better fit to the particular lifestyle circumstances of the agent. The benefits derived from being able to service multiple contact centers encourage remote agents to train and qualify to handle multiple contact center clients. This benefit is

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returned to the contact center clients who gain a large pool of remote agents that may be activated on an ad hoc basis.

Referring back to **FIG. 3**, remote agents **90a**, **90c**, and **90e** are trained and authorized to accept calls, designated by a solid line, only to a single call center client **40**. However, remote agents **90b** and **90d** are trained and authorized to accept calls, designated by dashed lines, to multiple call center clients. By the implementation of the multiple client remote agent network method, the call center clients **40a-c** greatly expand the size and capacity of their workforce with little to no additional expense. Simultaneously, the remote agents greatly expand their employment opportunities and work schedules by working for multiple call center clients.

It should be apparent to those skilled in the art that although the preferred embodiments of the present invention disclose remote agent systems in which customer-initiated calls are routed to remote agents, alternate embodiments of the invention in which the calls are initiated by remote agents and are routed to customers are possible using variants of the disclosed system.

Accordingly, it will be understood that the preferred embodiment of the present invention has been disclosed by way of example and that other modifications and alterations may occur to those skilled in the art without departing from the scope and spirit of the appended claims.

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